

Title (en)

SYSTEM AND METHOD FOR DIRECT INKJET PRINTING OF 3D OBJECTS

Title (de)

SYSTEM UND VERFAHREN ZUM DIREKTEN TINTENSTRAHLDRUCKEN VON 3D-OBJEKTEN

Title (fr)

SYSTÈME ET MÉTHODE D'IMPRESSION À JET D'ENCRE DIRECTE D'OBJETS EN 3D

Publication

EP 2914433 B1 20180328 (EN)

Application

EP 13852044 A 20131105

Priority

- US 201261722433 P 20121105
- IL 2013050908 W 20131105

Abstract (en)

[origin: WO2014068579A1] A direct inkjet printing system for fabricating a part by an additive manufacturing process includes an ink delivery system operative to circulate the ink, a printhead associated with the ink delivery system, the printhead operative to dispense ink from the ink delivery system through a plurality of nozzles and based on a defined pattern, a building table for receiving the dispensed ink one layer at a time based on the defined pattern, wherein the part is formed from a plurality of layers of the ink dispensed from the printhead and a drying station operative to perform a drying process on layers of the ink dispensed from the printhead on a per layer basis.

IPC 8 full level

B29C 67/00 (2017.01); **B33Y 10/00** (2015.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)

B29C 33/448 (2013.01 - US); **B29C 64/106** (2017.07 - EP US); **B29C 64/112** (2017.07 - EP US); **B29C 64/188** (2017.07 - US); **B29C 64/209** (2017.07 - EP US); **B29C 64/245** (2017.07 - EP US); **B29C 64/25** (2017.07 - EP US); **B29C 64/295** (2017.07 - EP US); **B29C 64/364** (2017.07 - EP US); **B29C 64/40** (2017.07 - US); **B33Y 30/00** (2014.12 - EP US); **B29L 2009/00** (2013.01 - US); **B33Y 10/00** (2014.12 - EP US)

Cited by

CZ308412B6; US11370171B2; EP4309876A1; EP4309877A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014068579 A1 20140508; WO 2014068579 A9 20140724; CN 104968500 A 20151007; CN 104968500 B 20170613; EP 2914433 A1 20150909; EP 2914433 A4 20160706; EP 2914433 B1 20180328; HK 1213848 A1 20160715; JP 2016500594 A 20160114; JP 2018199339 A 20181220; JP 6397420 B2 20180926; JP 6592572 B2 20191016; KR 20150081446 A 20150714; US 10828824 B2 20201110; US 2015298394 A1 20151022; US 2018229425 A1 20180816

DOCDB simple family (application)

IL 2013050908 W 20131105; CN 201380069320 A 20131105; EP 13852044 A 20131105; HK 16101662 A 20160216; JP 2015540275 A 20131105; JP 2018162423 A 20180831; KR 20157014642 A 20131105; US 201314440613 A 20131105; US 201815893880 A 20180212